CLAIM LISTING

1 - 20. (Canceled)

21. (Previously presented) A catalyst for exhaust-gas purification in lean-burn engines, comprising:

(i) iron oxide;

(ii) platinum or rhodium or a mixture of platinum and rhodium as active metal; and

(iii) a support oxide containing zirconium oxide, cerium/zirconium mixed oxide or mixtures of these compounds if the active metal used is platinum alone, or the support oxide containing zirconium oxide, cerium/zirconium mixed oxide, aluminium oxide, aluminosilicate, silicon oxide, zeolite or mixtures of these compounds if the active metal used is rhodium or a mixture of platinum and rhodium.

22. (Previously presented) A catalyst according to claim 21, further comprising a promoter selected from the group consisting of rare earth oxide, gallium oxide or indium oxide or mixtures of these compounds.

23. (Previously presented) A catalyst according to claim 22, wherein the iron oxide, the active metal and, if present, the promoter are jointly present on the support oxide.

24. (Previously presented) A catalyst according to claim 21, wherein its X-ray diffractogram does not have any reflections which are characteristic of the iron oxide.

25. (Previously presented) A catalyst according to claim 21 wherein the mass ratio, based on the metal elements, of the total iron oxide relative to the total active metal is in a range from 1 : 1 to 10 : 1.

26. (Previously presented) A catalyst according to claim 21 wherein the total active metal forms a proportion of 0.1% by weight to 5% by weight relative to the total support oxide.

27. (Previously presented) A catalyst according to claim 22 wherein the rare earth oxide is selected from the group consisting of La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu oxide and mixtures or mixed oxides thereof.

28. (Previously presented) A catalyst according to claim 21 wherein the mass ratio, based on the metal elements, of the total promoter relative to the total active metal is in a range from 1 : 1 to 20 : 1.

29. (Previously presented) A catalyst according to claim 21 in the form of a powder, granules, an extrudate, a shaped body or a coated honeycomb body.

30. (Previously presented) A catalyst according to claim 21 further comprising a NO_x storage component.

31. (Previously presented) A catalyst according to claim 30, wherein the NO_x storage component is selected from the group consisting of oxides or carbonates of Ba, Sr, La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, on a porous support oxide.

32-40. (Cancelled)